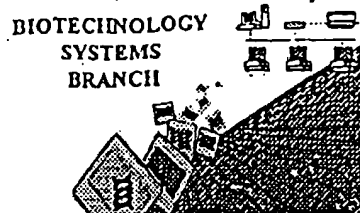


Applicant Copy  
09/804,733D



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/804,733D  
Source: 1. FL 16  
Date Processed by STIC: 3/24/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.  
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:  
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,  
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY  
FOR CRF SUBMISSION AND PATENT IN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221  
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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Revised 10/08/03



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733D

DATE: 03/24/2004

TIME: 15:55:24

Input Set : D:\Mons016.app

Output Set: N:\CRF4\03242004\I804733D.raw

3 <110> APPLICANT: WANG, QI ET AL.  
 5 <120> TITLE OF INVENTION: RECOMBINANT PROTEINS CONTAINING REPEATING UNITS  
 7 <130> FILE REFERENCE: MONS:016US  
 9 <140> CURRENT APPLICATION NUMBER: 09/804,733D  
 10 <141> CURRENT FILING DATE: 2001-03-13  
 12 <150> PRIOR APPLICATION NUMBER: 06/188,990 60/188,990  
 13 <151> PRIOR FILING DATE: 2000-03-13  
 15 <160> NUMBER OF SEQ ID NOS: 31  
 17 <170> SOFTWARE: PatentIn Ver. 2.1  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 5  
 21 <212> TYPE: PRT  
 22 <213> ORGANISM: Euthynnus pelamis  
 24 <400> SEQUENCE: 1  
 25 Leu Lys Pro Asn Met  
 26 1 5  
 29 <210> SEQ ID NO: 2  
 30 <211> LENGTH: 4  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Euthynnus pelamis  
 34 <400> SEQUENCE: 2  
 35 Lys Pro Asn Met  
 36 1  
 39 <210> SEQ ID NO: 3  
 40 <211> LENGTH: 4  
 41 <212> TYPE: PRT  
 42 <213> ORGANISM: Euthynnus pelamis  
 44 <400> SEQUENCE: 3  
 45 Val Val Tyr Pro  
 46 1  
 49 <210> SEQ ID NO: 4  
 50 <211> LENGTH: 15  
 51 <212> TYPE: DNA  
 52 <213> ORGANISM: Artificial Sequence  
 54 <220> FEATURE:  
 55 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 56 Primer  
 58 <220> FEATURE:  
 59 <221> NAME/KEY: modified\_base  
 60 <222> LOCATION: (3)..(9)  
 61 <223> OTHER INFORMATION: N = A, C, G or T/U  
 63 <400> SEQUENCE: 4  
 W--> 64 ctnaarccna ayatg

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733D

DATE: 03/24/2004

TIME: 15:55:24

Input Set : D:\Mons016.app

Output Set: N:\CRF4\03242004\I804733D.raw

67 <210> SEQ ID NO: 5  
 68 <211> LENGTH: 60  
 69 <212> TYPE: DNA  
 70 <213> ORGANISM: Artificial Sequence  
 72 <220> FEATURE:  
 73 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 74 Primer  
 76 <220> FEATURE:  
 77 <221> NAME/KEY: modified\_base  
 78 <222> LOCATION: (3)..(54)  
 79 <223> OTHER INFORMATION: N = A, C, G, or T/U  
 81 <400> SEQUENCE: 5  
 W--> 82 ctnaarcna ayatgctnaa rcnaayatg ctnaarcna ayatgctnaa rcnaayatg 60  
 85 <210> SEQ ID NO: 6  
 86 <211> LENGTH: 60  
 87 <212> TYPE: DNA  
 88 <213> ORGANISM: Artificial Sequence  
 90 <220> FEATURE:  
 91 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 92 Primer  
 94 <220> FEATURE:  
 95 <221> NAME/KEY: modified\_base  
 96 <222> LOCATION: (7)..(52) *what about "n" at location 58?*  
 97 <223> OTHER INFORMATION: N = A, C, G or T/U  
 99 <400> SEQUENCE: 6  
 W--> 100 catrttnggy ttnagcatrt tnggyttnag catrttnggy ttnagcatrt tnggyttnag 60  
 103 <210> SEQ ID NO: 7  
 104 <211> LENGTH: 25  
 105 <212> TYPE: DNA  
 106 <213> ORGANISM: Artificial Sequence  
 108 <220> FEATURE:  
 109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 110 Primer  
 112 <220> FEATURE:  
 113 <221> NAME/KEY: modified\_base  
 114 <222> LOCATION: (12)..(18)  
 115 <223> OTHER INFORMATION: N = A, C, G or T/U  
 117 <400> SEQUENCE: 7  
 W--> 118 aaagaattcc tnaarccnaa yatgc 25  
 121 <210> SEQ ID NO: 8  
 122 <211> LENGTH: 27  
 123 <212> TYPE: DNA  
 124 <213> ORGANISM: Artificial Sequence  
 126 <220> FEATURE:  
 127 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 128 Primer  
 130 <220> FEATURE:  
 131 <221> NAME/KEY: modified\_base  
 132 <222> LOCATION: (18)..(24)

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733D

DATE: 03/24/2004

TIME: 15:55:24

Input Set : D:\Mons016.app

Output Set: N:\CRF4\03242004\I804733D.raw

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133 <223> OTHER INFORMATION: N = A, C, G or T/U
135 <400> SEQUENCE: 8
W--> 136 aaagcgccg ccatrttngg ytnnagc 27
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 20
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
146     Primer
148 <400> SEQUENCE: 9
149 taatacgact cactataggg 20
152 <210> SEQ ID NO: 10
153 <211> LENGTH: 19
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
159     Primer
161 <400> SEQUENCE: 10
162 cgatcaataa cgagtcgcc 19
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 48
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
172     Primer
174 <220> FEATURE:
175 <221> NAME/KEY: modified_base
176 <222> LOCATION: (3)..(48)
177 <223> OTHER INFORMATION: N = A, C, G or T/U
179 <400> SEQUENCE: 11
W--> 180 gtngtntayc cngtngtnta yccngtngtn tayccngtng tntayccn 48
183 <210> SEQ ID NO: 12
184 <211> LENGTH: 48
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
190     Primer
192 <220> FEATURE:
193 <221> NAME/KEY: modified_base
194 <222> LOCATION: (1)..(46)
195 <223> OTHER INFORMATION: N = A, C, G or T/U
197 <400> SEQUENCE: 12
W--> 198 nggrtanacn acnggrtana cnacnggrta nacnacnggr tanacnac 48
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 33

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733D

DATE: 03/24/2004

TIME: 15:55:24

Input Set : D:\Mons016.app

Output Set: N:\CRF4\03242004\I804733D.raw

```

203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
208     Primer
210 <220> FEATURE:
211 <221> NAME/KEY: modified_base
212 <222> LOCATION: (12)..(33)
213 <223> OTHER INFORMATION: N = A, C, G or T/U
215 <400> SEQUENCE: 13
W--> 216 aaaggatccg tngtntaycc ngtngtntay ccn 33
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 33
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
226     Primer
228 <220> FEATURE:
229 <221> NAME/KEY: modified_base
230 <222> LOCATION: (10)..(31)
231 <223> OTHER INFORMATION: N = A, C, G or T/U
233 <400> SEQUENCE: 14
W--> 234 cccaagcttn gggtanacna cngggtanac nac 33
237 <210> SEQ ID NO: 15
238 <211> LENGTH: 45
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
244     Primer
246 <220> FEATURE:
247 <221> NAME/KEY: modified_base
248 <222> LOCATION: (3)..(45)
249 <223> OTHER INFORMATION: N = A, C, G or T/U
251 <400> SEQUENCE: 15
W--> 252 gtnccncng tncncncgt nccncngtn cncncngtn cncn 45
255 <210> SEQ ID NO: 16
256 <211> LENGTH: 45
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
262     Primer
264 <220> FEATURE:
265 <221> NAME/KEY: modified_base
266 <222> LOCATION: (1)..(43)
267 <223> OTHER INFORMATION: N = A, C, G or T/U
269 <400> SEQUENCE: 16

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733D

DATE: 03/24/2004

TIME: 15:55:24

Input Set : D:\Mons016.app

Output Set: N:\CRF4\03242004\I804733D.raw

W--> 270 nggggnacn ggggnacng ggggnacngg nggnacnggn ggnac 45

273 <210> SEQ ID NO: 17

274 <211> LENGTH: 36

275 <212> TYPE: DNA

276 <213> ORGANISM: Artificial Sequence

278 <220> FEATURE:

279 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

280 Primer

282 <220> FEATURE:

283 <221> NAME/KEY: modified\_base

284 <222> LOCATION: (12)..(36)

285 <223> OTHER INFORMATION: N = A, C, G or T/U

287 <400> SEQUENCE: 17

W--> 288 aaaggatccg tncncncgt nccncngtn cncncn 36

291 <210> SEQ ID NO: 18

292 <211> LENGTH: 36

293 <212> TYPE: DNA

294 <213> ORGANISM: Artificial Sequence

296 <220> FEATURE:

297 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

298 Primer

300 <220> FEATURE:

301 <221> NAME/KEY: modified\_base

302 <222> LOCATION: (10)..(34)

303 <223> OTHER INFORMATION: N = A, C, G or T/U

305 <400> SEQUENCE: 18

W--> 306 aataagcttn ggggnacng ggggnacngg nggnac 36

309 <210> SEQ ID NO: 19

310 <211> LENGTH: 8

311 <212> TYPE: PRT

312 <213> ORGANISM: Artificial Sequence

314 <220> FEATURE:

315 <223> OTHER INFORMATION: Description of Artificial Sequence:m Synthetic

316 Peptide

318 <400> SEQUENCE: 19

319 Val Pro Pro Leu Lys Pro Asn Met

320 1 5

323 <210> SEQ ID NO: 20

324 <211> LENGTH: 48

325 <212> TYPE: DNA

326 <213> ORGANISM: Artificial Sequence

328 <220> FEATURE:

329 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

330 Primer

332 <220> FEATURE:

333 <221> NAME/KEY: modified\_base

334 <222> LOCATION: (3)..(42)

335 <223> OTHER INFORMATION: N = A, C, G or T/U

337 <400> SEQUENCE: 20

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/804,733D

DATE: 03/24/2004  
TIME: 15:55:25

Input Set : D:\Mons016.app  
Output Set: N:\CRF4\03242004\I804733D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 3,9  
Seq#:5; N Pos. 3,9,18,24,33,39,48,54  
Seq#:6; N Pos. 7,13,22,28,37,43,52,58  
Seq#:7; N Pos. 12,18  
Seq#:8; N Pos. 18,24  
Seq#:11; N Pos. 3,6,12,15,18,24,27,30,36,39,42,48  
Seq#:12; N Pos. 1,7,10,13,19,22,25,31,34,37,43,46  
Seq#:13; N Pos. 12,15,21,24,27,33  
Seq#:14; N Pos. 10,16,19,22,28,31  
Seq#:15; N Pos. 3,6,9,12,15,18,21,24,27,30,33,36,39,42,45  
Seq#:16; N Pos. 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43  
Seq#:17; N Pos. 12,15,18,21,24,27,30,33,36  
Seq#:18; N Pos. 10,13,16,19,22,25,28,31,34  
Seq#:20; N Pos. 3,6,9,12,18,27,30,33,36,42  
Seq#:21; N Pos. 7,13,16,19,22,31,37,40,43,46  
Seq#:22; N Pos. 13,16,19,22,28,37,40,43,46,52  
Seq#:23; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82  
Seq#:25; N Pos. 3,6,9,15,18,21,24,30,39,42,45,51,54,57,60,66  
Seq#:26; N Pos. 7,13,16,19,22,28,31,34,43,49,52,55,58,64,67,70  
Seq#:27; N Pos. 13,16,19,25,28,31,34,40,49,52,55,61,64,67,70,76  
Seq#:28; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82  
Seq#:30; N Pos. 3,9,18,24,33,39,48,54,63,69,78,84,93,99,108,114,123,129,138  
Seq#:30; N Pos. 144,153,159,168,174,183,189,198,204,213,219,228,234,243,249  
Seq#:30; N Pos. 258,264,273,279,288,294,303,309,318,324,333,339,348,354,363  
Seq#:30; N Pos. 369,378,384,393,399,408,414,423,429,438,444,453,459,468,474  
Seq#:30; N Pos. 483,489,498,504,513,519,528,534,543,549,558,564,573,579,588  
Seq#:30; N Pos. 594,603,609  
Seq#:31; N Pos. 3,9,18,24,33,39,48,54,63,69,78,84,93,99,108,114,123,129,138  
Seq#:31; N Pos. 144,153,159,168,174,183,189,198,204,213,219,228,234,243,249  
Seq#:31; N Pos. 258,264,273,279,288,294,303,309,318,324,329,335,344,350,359  
Seq#:31; N Pos. 365,374,380,385,391

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/804,733D

DATE: 03/24/2004

TIME: 15:55:25

Input Set : D:\Mons016.app

Output Set: N:\CRF4\03242004\I804733D.raw

L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
M:341 Repeated in SeqNo=23  
L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
M:341 Repeated in SeqNo=25  
L:444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
M:341 Repeated in SeqNo=26  
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
M:341 Repeated in SeqNo=27  
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
M:341 Repeated in SeqNo=28  
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
M:341 Repeated in SeqNo=30  
L:539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
M:341 Repeated in SeqNo=31